

# ***Compact Disc Player***

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Operating Instructions

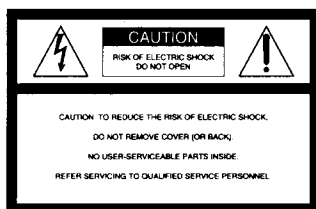


***CDP-CA7ES***

## WARNING

**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**

**To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.**



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## CAUTION

You are cautioned that any changes or modification not expressly approved in this manual could void your authority to operate this equipment.

## Owner's Record

The model and serial numbers are located at the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. CDP-CA7ES

Serial No. \_\_\_\_\_

## Welcome!

Thank you for purchasing the Sony Compact Disc Player. Before operating the unit, please read this manual thoroughly and retain it for future reference.

## About This Manual

The instructions in this manual are for model CDP-CA7ES.

### Conventions

- Instructions in this manual describe the controls on the player. You can also use the controls on the remote if they have the same or similar names as those on the player.
- The following icons are used in this manual:



Indicates that you can do the task using the remote.



Indicates hints and tips for making the task easier.

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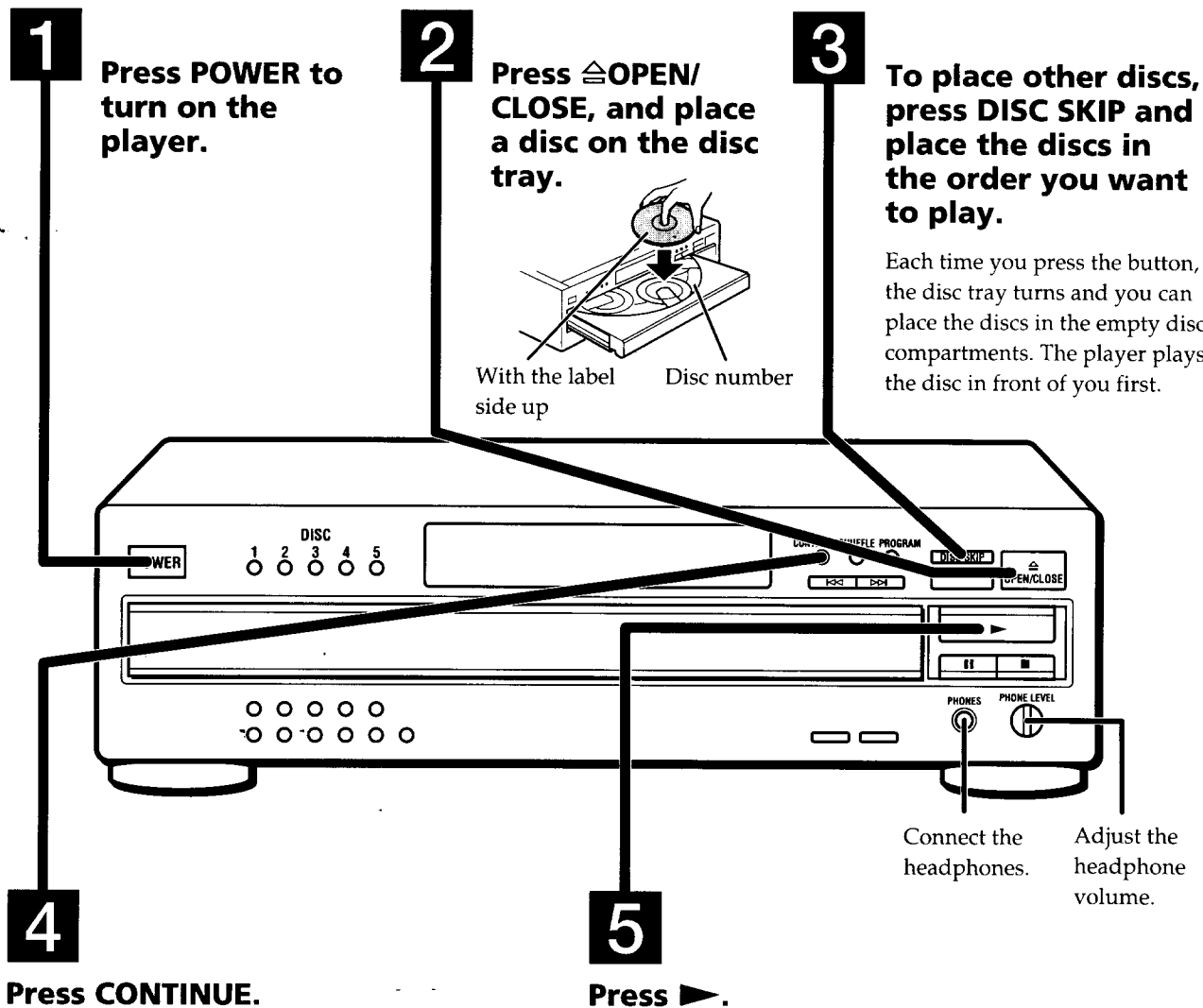
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# Playing a CD

## Before you start...

Turn on the amplifier and select the CD player position.



## Press CONTINUE.

Each time you press the button, "ALL DISCS" and "1 DISC" appear alternately in the display.

When you select	The player plays
ALL DISCS	All discs in the player consecutively in the order of disc number
1 DISC	Only the disc you've selected

**💡** You can select a disc directly and start playing it in Step 5

Press one of the DISC 1 - 5 buttons, and the player plays the disc you've selected.

## Press ▶.

The disc tray closes and the player plays all the tracks once. Adjust the volume on the amplifier.

## To stop playback

Press ■.


When you want to	Press
Pause	⏸
Resume play after pause	⏸ or ▶
Go to the next track	⏭
Go back to the preceding track	⏮
Go to the next disc	DISC SKIP
Select a disc directly	DISC 1 - 5
Stop play and remove the CD	⏹

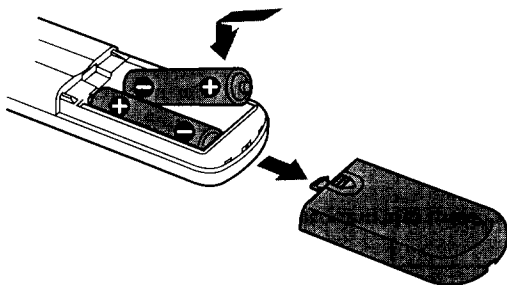
## Unpacking

Check that you received the following items:

- Audio connecting cord (1)
- Remote commander (remote) (1)
- Sony SUM-3 (NS) batteries (2)

## Inserting batteries into the remote

You can control the player using the supplied remote. Insert two size AA (R6) batteries by matching the + and - on the batteries. When using the remote, point it at the remote sensor  on the player.



### When to replace batteries

With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace all the batteries with new ones.

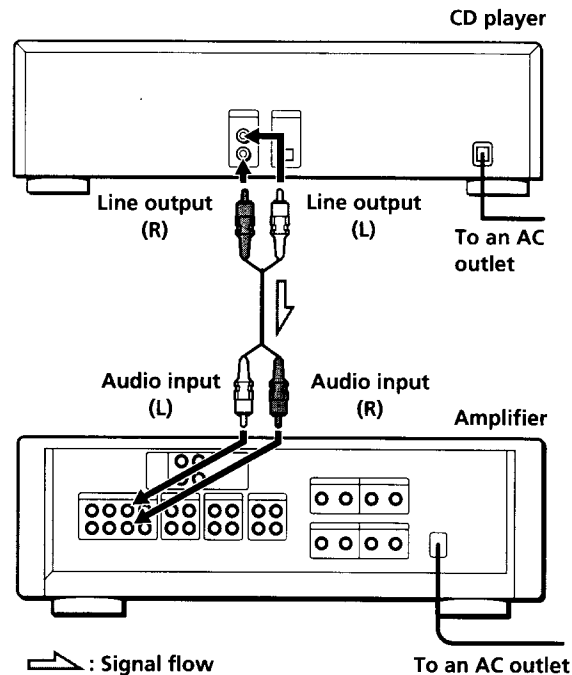
### Notes

- Do not leave the remote near an extremely hot or humid place.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

## Hooking Up the System

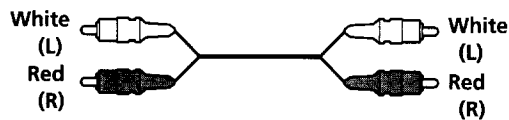
### Overview

This section describes how to hook up the CD player to an amplifier. Be sure to turn off the power of each component before making the connections.



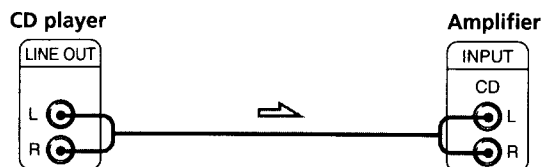
### What cords will I need?

Audio cord (supplied) (1)



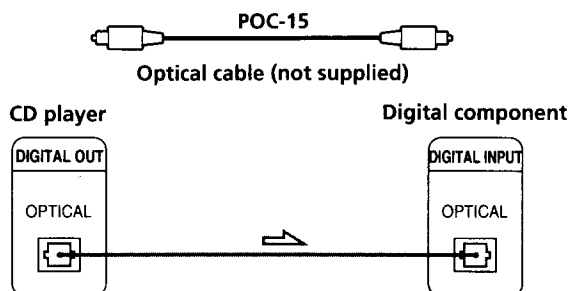
### Hookups

When connecting an audio cord, be sure to match the color-coded cord to the appropriate jacks on the components: Red (right) to Red and White (left) to White. Be sure to make connections firmly to avoid hum and noise.



## Getting Started

- If you have a digital component such as a digital amplifier, D/A converter, DAT or MD  
Connect the component via the DIGITAL OUT (OPTICAL) connector using the optical cable (not supplied). Take off the cap and plug in the optical cable.  
Note that you cannot use fading in or out function (page 12) when making this connection.



### Note

When you connect via the DIGITAL OUT (OPTICAL) connector, noise may occur when you play CD software other than music, such as a CD-ROM.

## Connecting the AC power cord

Connect the AC power cord to a wall outlet.

## Where do I go next?

Now you're ready to use your player.

If you aren't familiar with how to play CDs, go to the section "Playing a CD" on page 4.

Then, go to the following sections for other operations.

## Transporting the player

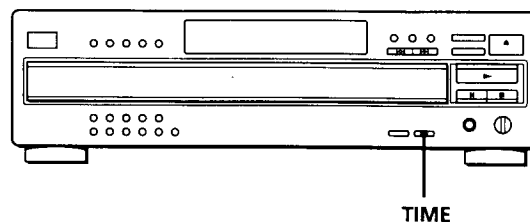
Before transporting the player, follow the procedure below to return the internal mechanisms back to their original position.

- 1 Remove all the discs from the disc tray.
- 2 Press  $\triangle$  OPEN/CLOSE to close the disc tray.  
"no dISC" appears in the display.
- 3 Wait for 10 seconds, then press POWER to turn off the player.

## Playing CDs

## Using the Display

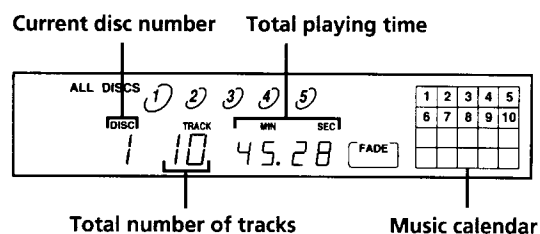
You can check information about the disc using the display.



## Checking the total number and playing time of the tracks

Press TIME before you start playing.

The display shows the current disc number, the total number of tracks, total playing time and music calendar.



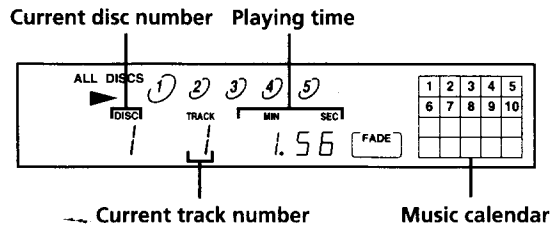
The information also appears when you press  $\triangle$  OPEN/CLOSE to close the disc tray.

### Notes on the disc number indications

- The red circle around a disc number indicates the disc is ready to be played.
- When all the tracks on a disc have been played, the semi-circle around the disc number disappears.
- When a disc compartment is recognized as empty, the semi-circled disc number disappears.

## Display information while playing a disc

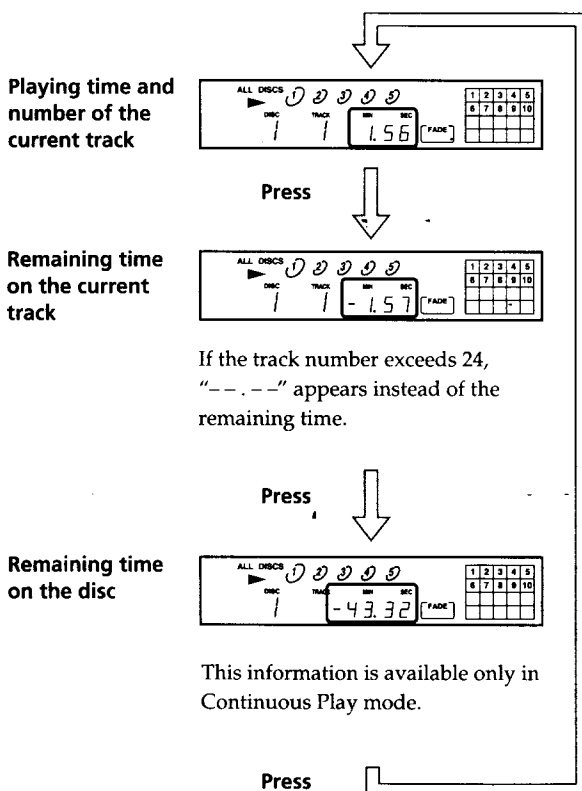
While playing a disc, the display shows the current disc number, track number, playing time of the track and the music calendar.



The track numbers in the music calendar disappear after they are played.

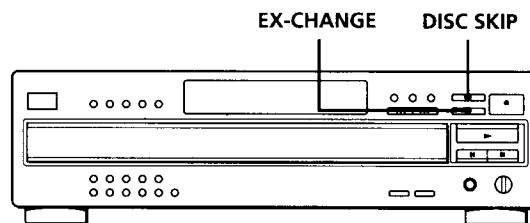
## Checking the remaining time

Each time you press TIME while playing a disc, the display changes as shown in the chart below.



## Replacing Discs While Playing a Disc

You can open the disc tray while playing a disc so that you can check what discs are to be played next and replace discs without interrupting playback of the current disc.



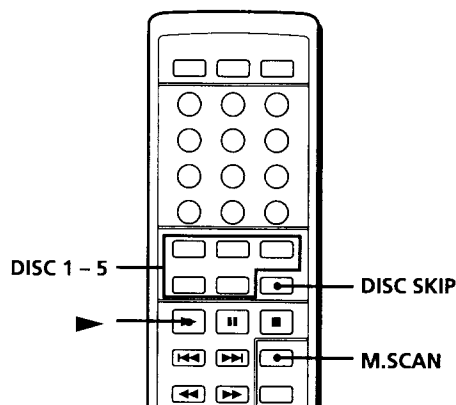
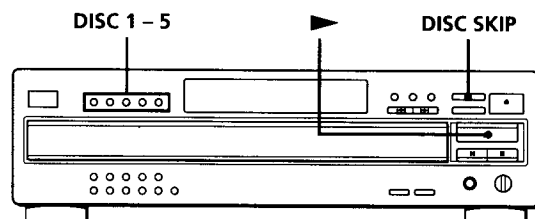
- 1** Press EX-CHANGE.  
The disc tray opens and two disc compartments appear. Even if the player is playing a disc, it doesn't stop playing.
- 2** Replace discs in the compartments with new ones.  
The player plays the disc on the left side compartment after the current disc, and then the one on the right side compartment.
- 3** Press DISC SKIP.  
The disc tray turns and other two disc compartments appear.
- 4** Replace discs in the compartments with new ones.
- 5** Press EX-CHANGE.  
The disc tray closes.

### Notes

- If the playback of the current disc ends while the disc tray is open, the player stops playing. If the disc is played in 1 DISC Repeat mode (see page 9), the current disc starts playing again.
- In ALL DISCS Shuffle Play mode (see page 9), tracks are reshuffled on the current disc, while the disc tray is open.
- In Program Play mode (see page 10), only the tracks on the current disc are played.
- Do not push the disc tray to close it in Step 5, as you may damage the player.

## Locating a Specific Disc

You can locate any disc before or while playing a disc.

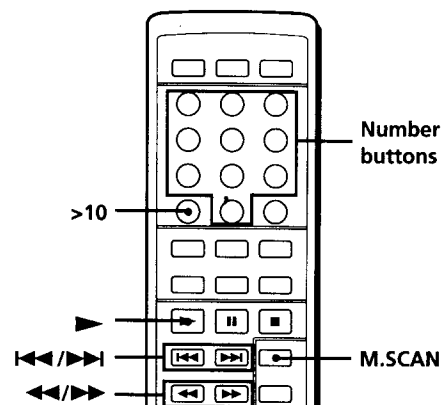
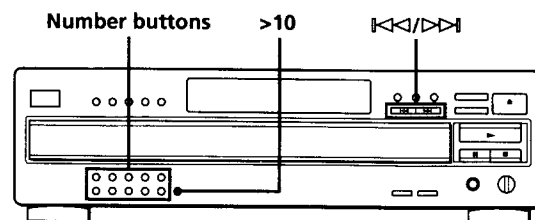


To locate	Press
The next disc	DISC SKIP while playing a disc
A specific disc directly	DISC 1 - 5
A disc by scanning the first track of each disc for 10 seconds (Music Scan)	M.SCAN before you start playing in ALL DISCS Continuous Play mode. When you find the disc you want, press ► to start playing.

**You can extend the playing time during Music Scan** Press M.SCAN repeatedly until the playing time you want (10, 20 or 30) appears in the display. Each time you press the button, the playing time changes cyclically.

## Locating a Specific Track or a Point in a Track

You can quickly locate any track while playing a disc using the (AMS: Automatic Music Sensor) buttons or number buttons. You can also locate a specific point in a track while playing a disc.



To locate	Press
The next or succeeding tracks	repeatedly until you find the track
The current or preceding tracks	repeatedly until you find the track
A specific track directly	Number button of the track
A track by scanning each track for 10 seconds (Music Scan)	M.SCAN before you start playing in 1 DISC Continuous Play mode. When you find the track you want, press ► to start playing.
A point while monitoring the sound	(forward) or  (backward) and hold down until you find the point
A point quickly by observing the display during pause	and  and hold down until you find the point. You will not hear the sound during the operation.

**When you directly locate a track numbered over 10** Press >10 first, then the corresponding number buttons. To enter "0," use button 10.  
Example: To play track number 30 Press >10 first, then 3 and 10.

**You can extend the playing time during Music Scan** Press M.SCAN repeatedly until the playing time you want (10, 20 or 30) appears in the display. Each time you press the button, the playing time changes cyclically.

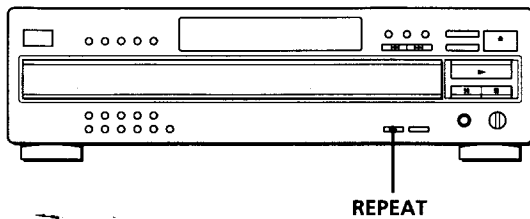
### Note

If "77" appears in the display, the disc has reached the end while you were pressing . Press or to go back.



## Playing Tracks Repeatedly

You can play discs/tracks repeatedly in any play mode.



Press REPEAT while playing a disc. "REPEAT" appears in the display. The player repeats the discs/tracks as follows:

When the disc is played in	The player repeats
Continuous Play (ALL DISCS) (page 4)	All the tracks on all discs
Continuous Play (1 DISC) (page 4)	All the tracks on the current disc
Shuffle Play (ALL DISCS) (page 9)	All the tracks on all discs in random orders
Shuffle Play (1 DISC) (page 10)	All the tracks on the current disc in random orders
Program Play (page 10)	The same program

### To cancel Repeat Play

Press REPEAT repeatedly until "REPEAT" disappears from the display.

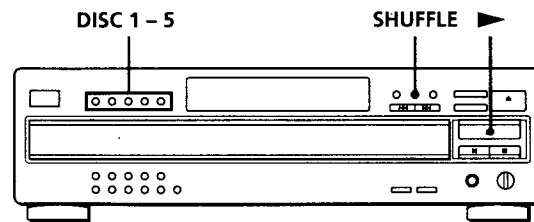
## Repeating the current track

You can repeat only the current track while the disc is played in Continuous Play.

While the track you want is being played, press REPEAT repeatedly until "REPEAT 1" appears in the display.

## Playing in Random Order (Shuffle Play)

You can have the player "shuffle" tracks and play in a random order. The player shuffles all the tracks on all discs or on the disc you've specified.



### Shuffle Play on all discs

You can play all tracks on all discs in a random order.

- 1 Press SHUFFLE repeatedly until "ALL DISCS" appears in the display.
- 2 Press ► to start ALL DISCS Shuffle Play. The [ ] indication appears while the player is "shuffling" the tracks.

### To cancel Shuffle Play

Press CONTINUE.

### 💡 You can start Shuffle Play while playing

Press SHUFFLE, and Shuffle Play starts from the current track.

### 💡 You can specify discs during Shuffle Play (Select Shuffle Play)

You can specify discs before or during ALL DISCS Shuffle Play, and the tracks on the specified discs are played in a random order.

Press DISC 1 - 5 to specify the discs after Step 1.

Semi-circles appear around the specified disc numbers in the display. To cancel the selected discs, press DISC 1 - 5 again. The semi-circles disappear.

To return to ALL DISCS Shuffle Play, press SHUFFLE twice.

## Shuffle Play on one disc

You can play all tracks on the specific disc in a random order.

- 1 Press SHUFFLE repeatedly until "1 DISC" appears in the display.
- 2 Press DISC 1 - 5 to start 1 DISC Shuffle Play on the selected disc.  
The [ ] indication appears while the player is "shuffling" the tracks.

### To cancel Shuffle Play

Press CONTINUE.

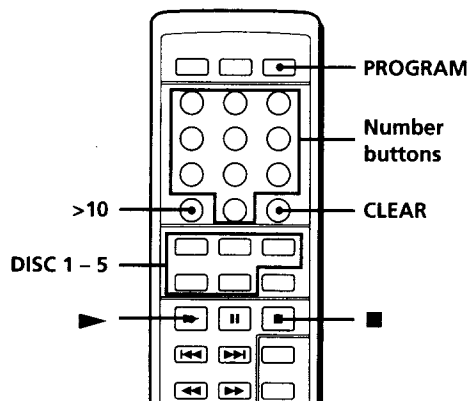
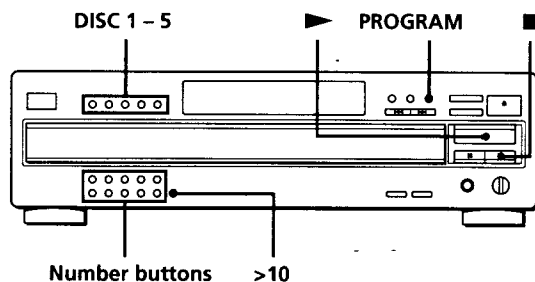


### You can start Shuffle Play while playing

Press SHUFFLE, and Shuffle Play starts from the current track.

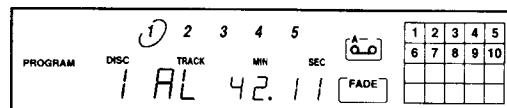
## Creating Your Own Program (Program Play)

You can arrange the order of the tracks on the discs and create your own program. The program can contain up to 32 tracks.



- 1 Press PROGRAM.  
"PROGRAM" appears in the display.  
If a program is already stored, the last step of the program appears in the display. When you want to erase the whole program, hold down CLEAR on the remote until "ALL CLr" appears in the display (see page 11).

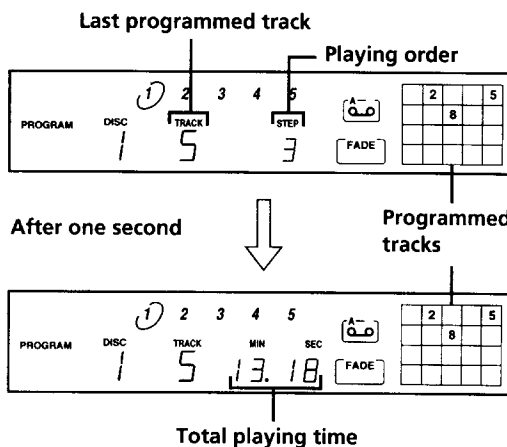
- 2 Press DISC 1 - 5 to select the disc.



"AL" in the display stands for "all" tracks.

When you want to program the whole disc as one step, skip Step 3 and go to Step 4.

- 3 Press the number buttons of the tracks you want to program in the order you want.  
To program the track numbered over 10, use the >10 button (see page 8).



### If you've made a mistake

Press CLEAR on the remote, then press the correct number button.

- 4 To program other discs or tracks, do the following:

To program	Repeat Step(s)
Other discs	2
Other tracks on the same disc	3
Other tracks on other discs	2 and 3

- 5 Press ► to start Program Play.

### To cancel Program Play

Press CONTINUE.

## You can create your program while checking the disc labels

While the disc tray is open, follow Steps 1 to 5 with pressing DISC SKIP to check the disc labels. If you close the disc tray before Step 5, the total playing time appears in the display after a while.

Note that, if the programmed track number isn't found on the disc, that step is automatically erased.

## The program remains even after the Program Play ends

When you press ►, you can play the same program again.

## The program remains until you erase it or turn off the player

If you replace discs, the programmed disc and track numbers remain. So, the player plays only the existing disc and track numbers. However, the disc and track numbers that aren't found in the player or on the disc are deleted from the program, and the rest of the program is played in the programmed order.



### Note

The total playing time doesn't appear when:

- You have programmed a track whose number exceeds 20.
- The total playing time of the program exceeds 200 minutes.

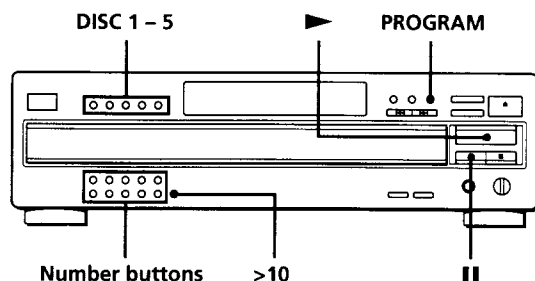
## Changing the track order

You can change your program before you start playing.

To	You need to
Erase the last step in the program 	Press CLEAR. Each time you press the button, the last track or disc will be cleared.
Add steps to the end of the program	Follow Steps 2 to 4 in "Creating Your Own Program" on page 10
Change the whole program completely 	Hold down CLEAR until "ALL CLr" appears in the display to erase the whole program, then create a new program following Steps 2 to 4 in "Creating Your Own Program" on page 10

## Recording Your Own Program

You can record the program you've created on a tape, DAT or MD. The program can contain up to 32 tracks. By inserting a pause during programming, you can divide the program into two for recording on both sides of a tape.



- 1** Create your program (for side A when recording on a tape) while checking the total playing time indicated in the display. Follow Steps 1 to 4 in "Creating Your Own Program" on page 10. The indication appears in the display.
- 2** When you record on both sides of the tape, press to insert a pause. The "P" and indications appear in the display and the playing time is reset to "0.00." When you record on one side of the tape or on a DAT or MD, skip this step and go to Step 4.  
**A pause is counted as one track**  
You can program up to 31 tracks when you insert a pause.
- 3** Repeat Steps 2 to 4 in "Creating Your Own Program" on page 10 to create the program for side B.
- 4** Start recording on the deck and then press on the player. When you record on both sides of the tape, the player pauses at the end of the program for side A.
- 5** When you record on side B, reverse the tape and press or on the player to resume playing.

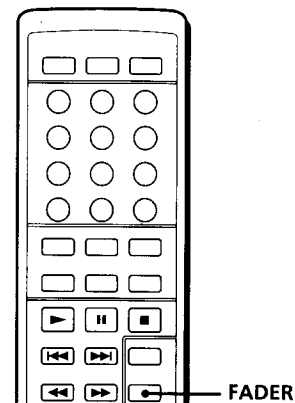
**You can check the total playing time while programming (Program Edit)**  
To select a track, press or and check the total playing time. Then press PROGRAM to confirm your selection.

**To change your program**  
See page 11.

## Fading In or Out

You can manually fade in or out to prevent tracks from starting or ending abruptly.

Note that you cannot use this effect when you use the DIGITAL OUT (OPTICAL) connector.



To	Press FADER
Start play fading in	During pause. The  indication flashes and play fades in.
End play fading out	When you want to start fading out. The  indication flashes. The play fades out and the player pauses.

### Note

Fading lasts for about 5 seconds. However, when you press FADER during Music Scan (see page 8), the play fades out for about 2 seconds.

### Precautions

#### On safety

- As the laser beam used in this unit is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

#### On power sources

- Before operating the player, check that the operating voltage of the player is identical with your local power supply. The operating voltage is indicated on the nameplate at the rear of the player.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- Should the AC power cord (mains lead) need to be changed, have it done at a qualified service shop only.

#### On placement

- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.

#### On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

#### On adjusting volume

- Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

#### On cleaning

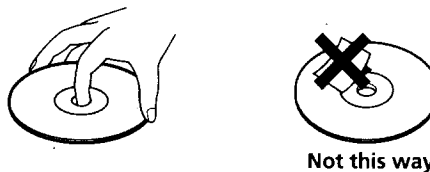
- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

### Notes on CDs

#### On handling CDs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be considerable rise in temperature inside the car.
- Do not use any commercially available stabilizer and/or disc protector. If you do, the disc and the player may be damaged.
- After playing, store the disc in its case.

#### On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

### Troubleshooting

If you experience any of the following difficulties while using the player, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.


#### There's no sound.

- ➔ Check that the player is connected securely.
- ➔ Make sure you operate the amplifier correctly.
- ➔ Adjust the playback level using the PHONE LEVEL control while listening with headphones.

#### The CD does not play.

- ➔ There's no CD inside the player ("no DISC" appears). Insert a CD.
- ➔ Place the CD with the label side up on the disc tray correctly.
- ➔ Clean the CD (see page 13).
- ➔ Moisture has condensed inside the player.  
Remove the disc and leave the player turned on for about an hour (see page 13).

#### The remote does not function.

- ➔ Remove the obstacles in the path of the remote and the player.
- ➔ Point the remote at the remote sensor  on the player.
- ➔ Replace all the batteries in the remote with new ones if they are weak.

#### The player functions incorrectly.

- ➔ The microcomputer chips may be operating incorrectly. Turn the power off, then turn it back on to reset the player.

### Specifications

#### Compact disc player

Laser	Semiconductor laser
Wavelength	780 – 790 nm
Frequency response	2 Hz to 20 kHz $\pm$ 0.3 dB
Signal-to-noise ratio	More than 116 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0025%
Channel separation	More than 110 dB

#### Output

	Jack type	Maximum output level	Load impedance
LINE OUT	Phono jacks	2 V (at 50 kilohms)	Over 10 kilohms
DIGITAL OUT (OPTICAL)	Optical output connector	-18 dBm	Wave length: 660 nm
PHONES	Stereo phone jack	10 mW	32 ohms

#### General

Power requirements	120 V AC, 60 Hz
Power consumption	14 W
Dimensions (approx.) (w/h/d)	430 × 125 × 400 mm (17 × 5 × 15 3/4 in.) incl. projecting parts
Mass (approx.)	5.9 kg (13 lbs)

#### Supplied accessories

Audio cord (2 phono plugs – 2 phono plugs) (1)  
Remote commander (remote) (1)  
Sony SUM-3 (NS) batteries (2)

Design and specifications are subject to change without notice.

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directly 8  
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### P, Q

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Continuous Play 4  
Program Play 10  
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Shuffle Play 9  
Program 10  
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for recording 12  
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### R

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a program 12  
Remaining time 7  
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Repeating 9  
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Searching. *See* Locating  
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Shuffle Play 9

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### U, V, W, X, Y, Z

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## Names of controls

### Buttons

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CONTINUE 4  
DISC 1 - 5 4  
DISC SKIP 4  
EX-CHANGE 7  
FADER 12  
M.SCAN 8  
Number 8  
⏏ OPEN/CLOSE 4  
PROGRAM 10  
REPEAT 9  
SHUFFLE 9  
TIME 6  
▶ 4  
⏏ 4  
■ 4  
◀◀/▶▶ 8  
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>10 8

### Switch

POWER 4

### Control

PHONE LEVEL 4

### Jack

PHONES 4

### Others

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